

Product datasheet for **MG206040**

Eipr1 (NM_201357) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Eipr1 (NM_201357) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Eipr1 |
| Synonyms: | D12Ertd604e; Eipr1; Tssc1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG206040 representing NM_201357 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGACGACGCCCGGTGATTTACGGGCTGGAATTCAGGCACGTGCTCTAACACCTCAAACCTGCGG
AAACAGATGCCATTTCGTTCTTGGTTGGGACGCAGTCTCTTAAATATGATAATCAGATCCACATCATAGA
CTTTGATGACGAAAATAACATTATAAATAAAAAATGTCCTCCTCCATCAAGCGGGTGAATCTGGCACATC
AGTGCCAGCCCGCAGATAAAGGTGTGCTGGCCACCTGCTACAACAAAACACAGACAGTCGAGTCCAGG
CGTGTGCAGCTGTGTGGAGGATGCCAAGGAATTAGAATCCGGTAGCCACGAGTCCCTGACGACCCTGC
AAGCACTGCTCAGACCCTGGAGCTGCTCTGTACCTTGACAACCTCGGCCAAGGCAACGTGGCCTGTGTC
GTGTGGGAACCGATGGGGATGGGAAGAAGTCAATTCCTGGCCGATAGCCACATCCTGCTGTGGGACC
TCCAGCCCAGCTCGAGCCAGGCTGTGCTGGCCAGCTCAGCAACACTGGAAGGAAGGGGACAGCTGAAGTT
TACCGCGGGCGGTGGAGCCACATCACAACCTGTACCCAGGTGGCCACAGCAAGTGATACGACCCTCCGA
GGATGGGACACACGAGCATGAGCCAGATATACTGCATAGAGAACGCTCATGGGCAGCTGGTGCCTGACC
TAGACTTCAACCCCAACAAGCAGTATTACCTCGCCAGCTGTGGAGATGACTGCAAGGTGAAGTTCTGGGA
CACACGGAATGTCACCGAGCCTGTGAAGACCCTGGAGGAGCACTCCACTGGGTGTGGAGTGTGCCTAC
AACCCTCTCAGACCAGCTGGTCTCACTGGCAGCAGGACAGCAGAGTCATCTGTCCAACATGGTAT
CTATCTCCTCAGAGCCCTTTGGTCACTGGTGGACGATGATGACGTCAAGTACCCAGAAGAGCACCATGC
TGAAAAGAGCAAGGAACCCCTGCAGGACAACGTTATTGCCACCTATGAGGAGCATGAGGACAGCGTGTAT
GCAGTGGACTGGGCTCAGCTGACCCATGGCTGTTTGGTCCCTAAGTTACGACGGGAGACTGGTTATCA
ACAGAGTCCAGGGCACTGAAGTACCACATACTGCTC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206040 representing NM_201357
 Red=Cloning site Green=Tags(s)

MEDDAPVIYGLEFQARALTPQTAETDAIRFLVGTQSLKYDNQIHIIDFDDENNIINKNVLLHQAGEIWHI
 SASPADKGVLATCYNKTTDSRVQACA AVWRMPKELESGSHESPDDPASTAQTELELLCHLDNSAQGNVACV
 VWPEMGDGKKVVISLADSHILLWDLQPSSQAVLASSATLEGRGQLKFTAGRWSPHHNCTQVATASDITLR
 GWDTRMSQIYCIENAHGQLVRDLDFNPNKQYYLASCDDCKVKFDTRNVTEPVKLEEHSWVWSVRY
 NHSHDQLVLTGSSDSRVILSNMVISSEPFVGHLDVDDDDVSDPEEHHAEKSKEPLQDNVIATYEEHEDSVY
 AVDWASADPWLFASLSYDGRLLVNRVPRALKYHILL

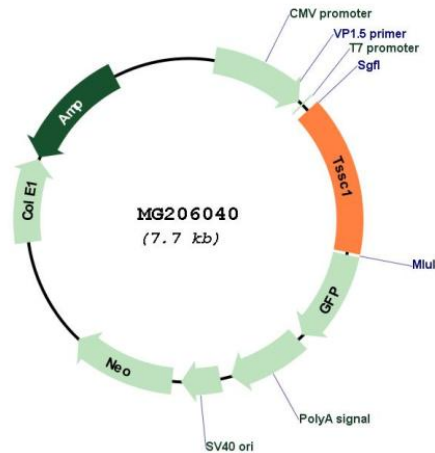
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_201357

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|-------------------------------|---|
| ORF Size: | 1158 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | NM_201357.1 , NP_958745.1 |
| RefSeq Size: | 1683 bp |
| RefSeq ORF: | 1161 bp |
| Locus ID: | 380752 |
| UniProt ID: | Q8K0G5 |
| Cytogenetics: | 12 11.26 cM |
| Gene Summary: | Acts as a component of endosomal retrieval machinery that is involved in protein transport from early endosomes to either recycling endosomes or the trans-Golgi network. Mediates the recruitment of Golgi-associated retrograde protein (GARP) complex to the trans-Golgi network and controls early endosome-to-Golgi transport of internalized protein. Promotes the recycling of internalized transferrin receptor (TFRC) to the plasma membrane through interaction with endosome-associated recycling protein (EARP) complex.[UniProtKB/Swiss-Prot Function] |